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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/750,757	01/05/2004	Jau-Jan Deng	BHT-3226-51	1687		
7590 02/08/2006		EXAMINER				
TROXELL LAW OFFICE PLLC			CHERRY, E	CHERRY, EUNCHA P		
SUITE 1404 5205 LEESBU	RG PIKE	ART UNIT	PAPER NUMBER			
FALLS CHURCH, VA 22041			2872	2872		
		DATE MAILED: 02/08/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application No.	Application No. Applicant(s)						
		10/750,757	٥	ENG ET AL.	Pri				
		Examiner	Α	rt Unit					
		EUNCHA P. CHEF		872					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1)⊠	Responsive to communication(s) filed on 27	December 2005.							
2a) <u></u> ☐	This action is FINAL . 2b) This action is non-final.								
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims									
4) Claim(s) 7-9 and 11 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 7-9 and 11 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.									
Application Papers									
	The specification is objected to by the Examir								
10)⊠ The drawing(s) filed on <u>13 April 2005</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.									
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 35 U.S.C. § 119									
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
A441									
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)									
2) Notice	of Draftsperson's Patent Drawing Review (PTO-948)	Pa	per No(s)/Mail Date	·					
	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 No(s)/Mail Date		otice of Informal Paten her:	t Application (PTO-1	52)				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 7-9 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Thomas et al (US 6,271,514 B1).

Thomas et al discloses a laser scanning unit (Fig. 2) comprising a laser (211), a collimator (column 6, lines 7-9), and an Fsin0 lens (column 4, lines 25-30), a micro electronic mechanical system (MEMS) oscillatory mirror that is being disposed between said collimator and the lens (column 4, lines 18-22) wherein the collimator directly projecting the parallel beams onto the oscillatory mirror (see the rays in Fig. 2), the oscillatory mirror directly reflecting the parallel beams into the lens, the oscillatory mirror oscillating in harmonic motion at regular oscillating amplitude and controlling a direction the parallel beams are reflected onto the lens thereby providing a

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linear scanning (inherent see rays leaving 252). MEMS oscillatory mirror is located adjacent to the collimator (see Fig. 2) and the Fsin θ lens has a parameter matching the harmonic motion of the MEMS oscillatory mirror (inherent).

The laser of Thomas et al is not semiconductor laser. It would have been obvious to one of ordinary skill in the art to use a semiconductor laser because it is readily available in the scanning art and choosing readily available technology would be within the level of ordinary skill.

Response to Arguments

3. Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to EUNCHA P. CHERRY whose telephone number is 571-272-2310. The examiner can normally be reached on M-F 6:30-4:00, alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DREW DUNN can be reached on 571-272-2312. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

EUNCHA P. CHERRY Primary Examiner Art Unit 2872